

What is claimed is:

1. A frequency synchronization device for an LCD having a plurality of lamps as a background light source, comprising:

5 a power amplification unit arranged in loop, said power amplification unit being electrically coupled to one of said lamps, adapted to generate a synchronous signal, and adapted to send said synchronous signal to said coupled lamp for causing the lamps to operate at the same frequency;

10 a sampling unit, each sampling unit detected to one of the lamps for sampling current thereof; and

a control driving unit being electrically coupled to said sampling unit so as to stabilize the current of the lamps.

2. The frequency synchronization device for LCD lamps according to claim 1, wherein said power amplification unit comprises a  
15 power amplification element, a store element, a resistors, an inductor, a transformer, a lamp and a conducting wire so that a secondary winding of said transformer is adapted to provide said synchronous signals to said power amplification element for conducting in cooperation with said store element, said resistors,  
20 and said conducting wire, said conducted power amplification element are adapted to control said coupled lamp, and said secondary winding of said transformer has a plurality of sets of coil each for controlling said coupled lamp.

3. The frequency synchronization device for LCD lamps according to claim 2, wherein said power amplification elements is a power  
25

transistor.

4.The frequency synchronization device for LCD lamps according to claim 2, wherein said store elements is a capacitor.

5.The frequency synchronization device for LCD lamps according to claim 1, wherein said lamps is a fluorescent lamp.

6.The frequency synchronization device for LCD lamps according to claim 2, wherein said conducting wires is a signal line.